

IV. AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Currently Amended) A reciprocating compressor ~~according to claim 1,~~
comprising:

a cylinder block having formed therein a plurality of cylinders;

pistons that make reciprocal movement inside said cylinders;

a first cylinder head fixed to one end of said cylinder block via a valve plate;

a second cylinder head fixed to another end of said cylinder block via a valve plate;

a first delivery chamber formed at said first cylinder head, into which a working fluid let out from a first compression space formed toward one end inside each of said cylinders is guided;

a second delivery chamber formed at said second cylinder head, into which a working fluid let out from a second compression space formed toward another end inside each of said cylinders is guided;

a plurality of delivery passages formed at said cylinder block; and

a outlet port located at said cylinder block or said cylinder head, which communicates between one of said delivery passages and an external circuit, with said other delivery passage that does not communicate with said outlet port made to communicate with said first delivery chamber and said second delivery chamber and also made to communicate via a guide passage with said delivery passage in communication with said outlet port,

wherein said delivery passage in communication with said outlet port is made to communicate with at least either said first delivery chamber or said second delivery chamber via a constricted portion having a smaller passage section than the passage section at areas where said other delivery passage communicates with said first delivery chamber and said second delivery chamber; and

wherein the dimensions of said constricted portion are set so as to achieve an

area equal to or less than the area of a circular section with a diameter of 1.5 mm,
wherein said delivery passage in communication with said outlet port is
formed at a position higher than said other delivery passage.

3. - 5. (Canceled)

6. (Currently Amended) A reciprocating compressor, according to claim ~~4~~2,
wherein said constricted portion is formed at a valve plate.

7. (Currently Amended) A reciprocating compressor ~~according to claim 1,~~
comprising:

a cylinder block having formed therein a plurality of cylinders;

pistons that make reciprocal movement inside said cylinders;

a first cylinder head fixed to one end of said cylinder block via a valve plate;

a second cylinder head fixed to another end of said cylinder block via a valve
plate;

a first delivery chamber formed at said first cylinder head, into which a
working fluid let out from a first compression space formed toward one end inside
each of said cylinders is guided;

a second delivery chamber formed at said second cylinder head, into which a
working fluid let out from a second compression space formed toward another end
inside each of said cylinders is guided;

a plurality of delivery passages formed at said cylinder block; and

a outlet port located at said cylinder block or said cylinder head, which
communicates between one of said delivery passages and an external circuit, with
said other delivery passage that does not communicate with said outlet port made to
communicate with said first delivery chamber and said second delivery chamber and
also made to communicate via a guide passage with said delivery passage in
communication with said outlet port,

wherein said delivery passage in communication with said outlet port is made

to communicate with at least either said first delivery chamber or said second delivery chamber via a constricted portion having a smaller passage section than the passage section at areas where said other delivery passage communicates with said first delivery chamber and said second delivery chamber; and

wherein the dimensions of said constricted portion are set so as to achieve an area equal to or less than the area of a circular section with a diameter of 1.5 mm,

wherein that said constricted portion is formed at said cylinder block.

8. (Currently Amended) A reciprocating compressor ~~according to claim 1,~~
comprising:

a cylinder block having formed therein a plurality of cylinders;

pistons that make reciprocal movement inside said cylinders;

a first cylinder head fixed to one end of said cylinder block via a valve plate;

a second cylinder head fixed to another end of said cylinder block via a valve plate;

a first delivery chamber formed at said first cylinder head, into which a working fluid let out from a first compression space formed toward one end inside each of said cylinders is guided;

a second delivery chamber formed at said second cylinder head, into which a working fluid let out from a second compression space formed toward another end inside each of said cylinders is guided;

a plurality of delivery passages formed at said cylinder block; and

a outlet port located at said cylinder block or said cylinder head, which communicates between one of said delivery passages and an external circuit, with said other delivery passage that does not communicate with said outlet port made to communicate with said first delivery chamber and said second delivery chamber and also made to communicate via a guide passage with said delivery passage in communication with said outlet port,

wherein said delivery passage in communication with said outlet port is made to communicate with at least either said first delivery chamber or said second delivery

chamber via a constricted portion having a smaller passage section than the passage section at areas where said other delivery passage communicates with said first delivery chamber and said second delivery chamber; and

wherein the dimensions of said constricted portion are set so as to achieve an area equal to or less than the area of a circular section with a diameter of 1.5 mm,

wherein that said constricted portion is formed as a gap between said cylinder block and a valve or a gasket disposed between said cylinder block and a valve plate.

9. (Canceled)

10. (New) A reciprocating compressor, according to claim 7, wherein said constricted portion is formed at a valve plate.

11. (New) A reciprocating compressor, according to claim 8, wherein said constricted portion is formed at a valve plate.